

CLAIMS

What is claimed is:

1. A frame structure for a rack mount computer system, comprising:
four support corners defining a front side, a rear side, a first side, and a
5 second side of the frame structure, each side extending between a corresponding pair of
the four support corners; and
a first side wall disposed on the first side of the frame structure, the first side
wall including:
at least two first rails extending between the corresponding pair of the
10 support corners, at least one of the first rails being an angled first rail
having an angled face with a first exterior edge and a first interior
edge recessed from the first side relative to the first exterior edge,
the first angled face further having two end edges each extending
between the first exterior edge and the first interior edge, the two
15 first end edges being at an angle less than 90° relative to the first
side and being substantially attached to the corresponding pair of the
support corners.
2. The frame structure of claim 1, further comprising a second side wall
disposed on the second side of the frame structure, the second side wall including:
20 at least two second rails extending between the corresponding pair of the
support corners, at least one of the second rails being an angled second rail having an
angled face with a second exterior edge and a second interior edge recessed from the

second side relative to the second exterior edge, the second angled face further having two second end edges each extending between the second exterior edge and the second interior edge, the two second end edges being at an angle less than 90° relative to the second side and being substantially attached to the corresponding pair of the support
5 corners.

3. The frame structure of claim 1, wherein the two first end edges are substantially attached to the corresponding pair of the support corners via at least one of weld joints, bolts, screws, and adhesives.

4. The frame structure of claim 1, wherein each of the front and rear sides are
10 substantially open.

5. The frame structure of claim 1, further comprising a crossbar on at least one of the front and rear sides, the crossbar extending between the corresponding pair of support corners.

6. The frame structure of claim 1, wherein the first side includes three first
15 rails including a middle rail and two angled first rails.

7. The frame structure of claim 6, wherein the middle rail is also a first angled rail.

8. A rack for a rack mount computer system, comprising:

a first side wall extending between a front side and a rear side, the first side wall including a first front corner post, a first rear corner post, and two first rails each extending between the first corner posts, at least one of the first rails being a first angled rail having a first angled face with a first outer edge and a first recessed edge recessed from an exterior surface of the first corner posts relative to the first outer edge, the first angled face further having two first end edges each extending between the first outer and recessed edges, the two first end edges being at an angle less than 90° relative to the exterior surface of the first corner posts and being substantially attached to the first corner posts; and

a second side wall extending between the front side and the rear side, the second side wall including a second front corner post and a second rear corner post.

9. The rack of claim 8, wherein the second side wall includes:

a second front corner post, a second rear corner post, and two second rails each extending between the second corner posts, at least one of the second rails being a second angled rail having a second angled face with a second outer edge and a second recessed edge recessed from an exterior surface of the second corner posts relative to the second outer edge, the second angled face further having two second end edges each extending between the second outer and recessed edges, the two second end edges being at an angle less than 90° relative to the exterior surface of the second corner posts and being substantially attached to the first corner posts.

10. The rack of claim 8, wherein the two first end edges are substantially attached to the first corner posts via at least one of weld joints, bolts, screws, and adhesives.

11. The rack of claim 8, wherein each of the front and rear sides are
5 substantially open.

12. The rack of claim 8, further comprising a crossbar extending between the first and second front corner posts.

13. The rack of claim 8, wherein the first side wall includes three first rails including a middle rail and two angled first rails.

10 14. The rack of claim 13, wherein the middle rail is also a first angled rail.